

Title (en)  
Switch with a switching mechanism actuated at an excessive temperature

Title (de)  
Schalter mit einem bei Übertemperatur schaltenden Schaltwerk

Title (fr)  
Interrupteur avec un mécanisme de commutation actionné une température excessive

Publication  
**EP 0778597 B1 20010725 (DE)**

Application  
**EP 96115007 A 19960919**

Priority  
DE 19545998 A 19951209

Abstract (en)  
[origin: EP0778597A2] The switch has a movable contact part (18). This cooperates at least with a first counter contact (19) forming, with this, a first switch contact (20). This contact is opened or closed in dependence in the temperature of the switch mechanism (16). The switch has at least a first heat resistor (35). This resistor is provided on the movable contact part (18). The switch may also have a second heat resistor which may also be formed on the movable contact part (18). This cooperates with a second counter contact forming a second switch contact. The second switch contact has a switch state opposite that of the first contact. The switch mechanism may be formed as an alternating switch. In a first switch state, in which the first switch contact is closed, the first heat resistor is connected in series between switch terminals. In a second switch state, in which the second switch contact is closed, the second resistor is connected in series between a different pair of terminals.

IPC 1-7  
**H01H 37/54**; **H01H 71/16**

IPC 8 full level  
**H01H 1/50** (2006.01); **H01H 37/54** (2006.01); **H01H 71/16** (2006.01)

CPC (source: EP US)  
**H01H 1/504** (2013.01 - EP US); **H01H 71/16** (2013.01 - EP US)

Cited by  
EP2654054A1

Designated contracting state (EPC)  
AT BE CH DE ES FR GB IT LI NL PT

DOCDB simple family (publication)  
**EP 0778597 A2 19970611**; **EP 0778597 A3 19980527**; **EP 0778597 B1 20010725**; AT E203628 T1 20010815; DE 19545998 A1 19970612; DE 19545998 C2 19980520; DE 59607356 D1 20010830; ES 2161319 T3 20011201; PT 778597 E 20011130; US 5835001 A 19981110

DOCDB simple family (application)  
**EP 96115007 A 19960919**; AT 96115007 T 19960919; DE 19545998 A 19951209; DE 59607356 T 19960919; ES 96115007 T 19960919; PT 96115007 T 19960919; US 76086196 A 19961205